

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 19517,079 B
Source: IFWG
Date Processed by STIC: 8/28/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/517,079B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☒ Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 ☐ Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 ☐ Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.
- 5 ☐ Variable Length Sequence(s) ☐ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue**. Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) ☐. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 ☐ Skipped Sequences (OLD RULES) Sequence(s) ☐ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 ☐ Skipped Sequences (NEW RULES) Sequence(s) ☐ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 ☐ Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10 ☐ Invalid <213> Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
- 11 ☒ Use of <220> Sequence(s) 151-31908 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

4 <110> APPLICANT: CePeP AB
 6 <120> TITLE OF INVENTION: Cell Penetrating Peptides
 9 <130> FILE REFERENCE: pd53495XX01
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/517,079B
 C--> 11 <141> CURRENT FILING DATE: 2004-12-06
 11 <160> NUMBER OF SEQ ID NOS: 31933
 13 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

2257 <210> SEQ ID NO: 151
 2258 <211> LENGTH: 12
 2259 <212> TYPE: PRT
 2260 <213> ORGANISM: Homo Sapiens
 2262 <222> LOCATION: (405)...(417)
 2263 <223> OTHER INFORMATION: 5H1A_HUMAN
 OK 2264 <400> SEQUENCE: 151
 2265 Lys Asp Phe Gln Asn Ala Phe Lys Lys Ile Ile Lys
 2266 1 5 10
 2270 <210> SEQ ID NO: 152
 2271 <211> LENGTH: 12
 2272 <212> TYPE: PRT
 2273 <213> ORGANISM: Homo Sapiens
 2275 <222> LOCATION: (407)...(419)
 2276 <223> OTHER INFORMATION: 5H1A_HUMAN
 OK 2277 <400> SEQUENCE: 152
 2278 Phe Gln Asn Ala Phe Lys Lys Ile Ile Lys Cys Lys
 2279 1 5 10
 2283 <210> SEQ ID NO: 153
 2284 <211> LENGTH: 12
 2285 <212> TYPE: PRT
 2286 <213> ORGANISM: Homo Sapiens
 2288 <222> LOCATION: (408)...(420)
 2289 <223> OTHER INFORMATION: 5H1A_HUMAN
 OK 2290 <400> SEQUENCE: 153
 2291 Gln Asn Ala Phe Lys Lys Ile Ile Lys Cys Lys Phe
 2292 1 5 10
 2296 <210> SEQ ID NO: 154
 2297 <211> LENGTH: 12
 2298 <212> TYPE: PRT
 2299 <213> ORGANISM: Homo Sapiens
 2301 <222> LOCATION: (69)...(81)

Does Not Comply
 Corrected Diskette Needed

(pg.1-12)

← pls
 insert

(2207, whenever
 2217, 2227
 or 2237 is
 present!)

See item # 11 on
 error summary sheet.

↑ The above errors are seen
 globally throughout the sequence.

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

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 OK 2303 <400> SEQUENCE: 154
 2304 Phe Val Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu
 2305 1 5 10
 2309 <210> SEQ ID NO: 155
 2310 <211> LENGTH: 12
 2311 <212> TYPE: PRT
 2312 <213> ORGANISM: Homo Sapiens
 OK ²²⁰⁷ 2314 <222> LOCATION: (70)... (82)
 2315 <223> OTHER INFORMATION: 5H1B_HUMAN
 OK 2316 <400> SEQUENCE: 155
 2317 Val Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu His
 2318 1 5 10
 2322 <210> SEQ ID NO: 156
 2323 <211> LENGTH: 12
 2324 <212> TYPE: PRT
 2325 <213> ORGANISM: Homo Sapiens
 OK ²²⁰⁷ 2327 <222> LOCATION: (71)... (83)
 2328 <223> OTHER INFORMATION: 5H1B_HUMAN
 OK 2329 <400> SEQUENCE: 156
 2330 Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu His Thr
 2331 1 5 10
 2335 <210> SEQ ID NO: 157
 2336 <211> LENGTH: 12
 2337 <212> TYPE: PRT
 2338 <213> ORGANISM: Homo Sapiens
 OK ²²⁰⁷ 2340 <222> LOCATION: (297)... (309)
 2341 <223> OTHER INFORMATION: 5H1B_HUMAN
 OK 2342 <400> SEQUENCE: 157
 2343 Ala Leu Leu Glu Lys Lys Lys Leu Met Ala Ala Arg
 2344 1 5 10
 2348 <210> SEQ ID NO: 158
 2349 <211> LENGTH: 12
 2350 <212> TYPE: PRT
 OK ²²⁰⁷ 2351 <213> ORGANISM: Homo Sapiens
 2352 <222> LOCATION: (310)... (322)
 2354 <223> OTHER INFORMATION: 5H1B_HUMAN
 OK 2355 <400> SEQUENCE: 158
 2356 Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu Gly
 2357 1 5 10
 2361 <210> SEQ ID NO: 159
 2362 <211> LENGTH: 12
 2363 <212> TYPE: PRT
 OK ²²⁰⁷ 2364 <213> ORGANISM: Homo Sapiens
 2366 <222> LOCATION: (376)... (388)
 2367 <223> OTHER INFORMATION: 5H1B_HUMAN
 OK 2368 <400> SEQUENCE: 159
 2369 Phe Lys Gln Ala Phe His Lys Leu Ile Arg Phe Lys
 2370 1 5 10

← pls
 insert
 2207, whenever
 2217, 2227
 or 2237 is
 present!

See item
 #11 on
 error
 Summary
 Sheet

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

2374 <210> SEQ ID NO: 160
 2375 <211> LENGTH: 12
 2376 <212> TYPE: PRT
 2377 <213> ORGANISM: Homo Sapiens
 2378 <222> LOCATION: (295)...(307)
 2380 <223> OTHER INFORMATION: 5H1D_HUMAN
 2381 <400> SEQUENCE: 160
 2382 Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile
 2383 1 5 10
 2387 <210> SEQ ID NO: 161
 2388 <211> LENGTH: 12
 2389 <212> TYPE: PRT
 2390 <213> ORGANISM: Homo Sapiens
 2392 <222> LOCATION: (297)...(309)
 2393 <223> OTHER INFORMATION: 5H1D_HUMAN
 2394 <400> SEQUENCE: 161
 2395 Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly
 2396 1 5 10
 2400 <210> SEQ ID NO: 162
 2401 <211> LENGTH: 12
 2402 <212> TYPE: PRT
 2403 <213> ORGANISM: Homo Sapiens
 2405 <222> LOCATION: (133)...(145)
 2406 <223> OTHER INFORMATION: 5H1E_HUMAN
 2407 <400> SEQUENCE: 162
 2408 Lys Arg Thr Ala Lys Arg Ala Ala Leu Met Ile Leu
 2409 1 5 10
 2413 <210> SEQ ID NO: 163
 2414 <211> LENGTH: 12
 2415 <212> TYPE: PRT
 2416 <213> ORGANISM: Homo Sapiens
 2418 <222> LOCATION: (287)...(299)
 2419 <223> OTHER INFORMATION: 5H1E_HUMAN
 2420 <400> SEQUENCE: 163
 2421 Arg Lys Ala Ala Arg Ile Leu Gly Leu Ile Leu Gly
 2422 1 5 10
 2426 <210> SEQ ID NO: 164
 2427 <211> LENGTH: 12
 2428 <212> TYPE: PRT
 2429 <213> ORGANISM: Homo Sapiens
 2431 <222> LOCATION: (134)...(146)
 2432 <223> OTHER INFORMATION: 5H1F_HUMAN
 2433 <400> SEQUENCE: 164
 2434 Lys Arg Thr Pro Lys His Ala Gly Ile Met Ile Thr
 2435 1 5 10
 2439 <210> SEQ ID NO: 165
 2440 <211> LENGTH: 12
 2441 <212> TYPE: PRT
 2442 <213> ORGANISM: Homo Sapiens

Same
 errors
 //
 see
 item # 11 on
 error
 summary
 sheet.

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

2444 ~~<222>~~ ^{L200} LOCATION: (198)...(210)
 2445 ~~<223>~~ OTHER INFORMATION: 5H1F_HUMAN
 OK 2446 ~~<400>~~ ^{L200} SEQUENCE: 165
 2447 Leu Ile Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys
 2448 1 5 10
 2452 <210> SEQ ID NO: 166
 2453 <211> LENGTH: 12
 2454 <212> TYPE: PRT
 2455 ~~<213>~~ ORGANISM: Homo Sapiens
 2457 ~~<222>~~ ^{L200} LOCATION: (199)...(211)
 2458 <223> OTHER INFORMATION: 5H1F_HUMAN
 OK 2459 ~~<400>~~ ^{L200} SEQUENCE: 166
 2460 Ile Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys Thr
 2461 1 5 10
 2465 <210> SEQ ID NO: 167
 2466 <211> LENGTH: 12
 2467 <212> TYPE: PRT
 2468 ~~<213>~~ ORGANISM: Homo Sapiens
 2470 ~~<222>~~ ^{L200} LOCATION: (200)...(212)
 2471 <223> OTHER INFORMATION: 5H1F_HUMAN
 OK 2472 ~~<400>~~ ^{L200} SEQUENCE: 167
 2473 Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys Thr Leu
 2474 1 5 10
 2478 <210> SEQ ID NO: 168
 2479 <211> LENGTH: 12
 2480 <212> TYPE: PRT
 2481 ~~<213>~~ ORGANISM: Homo Sapiens
 2483 ~~<222>~~ ^{L200} LOCATION: (203)...(215)
 2484 <223> OTHER INFORMATION: 5H1F_HUMAN
 OK 2485 ~~<400>~~ ^{L200} SEQUENCE: 168
 2486 Lys Ile Tyr Arg Ala Ala Lys Thr Leu Tyr His Lys
 2487 1 5 10
 2491 <210> SEQ ID NO: 169
 2492 <211> LENGTH: 12
 2493 <212> TYPE: PRT
 2494 ~~<213>~~ ORGANISM: Homo Sapiens
 2496 ~~<222>~~ ^{L200} LOCATION: (188)...(200)
 2497 <223> OTHER INFORMATION: 5H2A_HUMAN
 OK 2498 ~~<400>~~ ^{L200} SEQUENCE: 169
 2499 Ser Arg Thr Lys Ala Phe Leu Lys Ile Ile Ala Val
 2500 1 5 10
 2504 <210> SEQ ID NO: 170
 2505 <211> LENGTH: 12
 2506 <212> TYPE: PRT
 2507 ~~<213>~~ ORGANISM: Homo Sapiens
 2509 ~~<222>~~ ^{L200} LOCATION: (189)...(201)
 2510 <223> OTHER INFORMATION: 5H2A_HUMAN
 OK 2511 ~~<400>~~ ^{L200} SEQUENCE: 170
 2512 Arg Thr Lys Ala Phe Leu Lys Ile Ile Ala Val Trp

Same
 errors
 ==

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

2513 1 5 10

14451 <210> SEQ ID NO: 1089

14452 <211> LENGTH: 9

14453 <212> TYPE: PRT

14454 <213> ORGANISM: Homo Sapiens

14455 <222> LOCATION: (305)... (317)

14457 <223> OTHER INFORMATION: O2B6_HUMAN

OK E--> 14458 <400> SEQUENCE: 1089

14459 Val Ala Arg Val Phe Leu Ile Lys Lys

E--> 14460 1 5

14464 <210> SEQ ID NO: 1090

14465 <211> LENGTH: 8

14466 <212> TYPE: PRT

14467 <213> ORGANISM: Homo Sapiens

14468 <222> LOCATION: (306)... (318)

14470 <223> OTHER INFORMATION: O2B6_HUMAN

OK E--> 14471 <400> SEQUENCE: 1090

14472 Ala Arg Val Phe Leu Ile Lys Lys

E--> 14473 1 5

14477 <210> SEQ ID NO: 1091

14478 <211> LENGTH: 7

14479 <212> TYPE: PRT

14480 <213> ORGANISM: Homo Sapiens

14482 <222> LOCATION: (307)... (319)

14483 <223> OTHER INFORMATION: O2B6_HUMAN

OK E--> 14484 <400> SEQUENCE: 1091

14485 Arg Val Phe Leu Ile Lys Lys

E--> 14486 1 5

35198 <210> SEQ ID NO: 2685

35199 <211> LENGTH: 16

35200 <212> TYPE: PRT

35201 <213> ORGANISM: Homo Sapiens

35203 <222> LOCATION: (334)... (350)

35204 <223> OTHER INFORMATION: 5H1A_HUMAN

OK E--> 35205 <400> SEQUENCE: 2685

35206 Lys Met Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile

E--> 35207 1 5

35211 <210> SEQ ID NO: 2686

35212 <211> LENGTH: 16

35213 <212> TYPE: PRT

35214 <213> ORGANISM: Homo Sapiens

35216 <222> LOCATION: (335)... (351)

35217 <223> OTHER INFORMATION: 5H1A_HUMAN

OK E--> 35218 <400> SEQUENCE: 2686

35219 Met Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile Ile

E--> 35220 1 5

35224 <210> SEQ ID NO: 2687

35225 <211> LENGTH: 16

35226 <212> TYPE: PRT

pls insert, see item # 11 on error summary sheet.

delete

same error

delete

same error

delete

same error

same error

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:33

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

35227 <213> ORGANISM: Homo Sapiens
 35229 <222> LOCATION: (336)... (352)
 35230 <223> OTHER INFORMATION: 5H1A_HUMAN
 E- 35231 <400> SEQUENCE: 2687

35232 Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile Ile Met

E--> 35233 1 5 10 15

35237 <210> SEQ ID NO: 2688

35238 <211> LENGTH: 16

35239 <212> TYPE: PRT

35240 <213> ORGANISM: Homo Sapiens

35242 <222> LOCATION: (337)... (353)

35243 <223> OTHER INFORMATION: 5H1A_HUMAN

E- 35244 <400> SEQUENCE: 2688

35245 Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile Ile Met Gly

E--> 35246 1

35250 <210> SEQ ID NO: 2689

35251 <211> LENGTH: 16

35252 <212> TYPE: PRT

35253 <213> ORGANISM: Homo Sapiens

35255 <222> LOCATION: (290)... (306)

35256 <223> OTHER INFORMATION: 5H1B_HUMAN

E- 35257 <400> SEQUENCE: 2689

35258 Val Lys Val Arg Val Ser Asp Ala Leu Leu Glu Lys Lys Lys Leu Met

E--> 35259 1

35263 <210> SEQ ID NO: 2690

35264 <211> LENGTH: 16

35265 <212> TYPE: PRT

35266 <213> ORGANISM: Homo Sapiens

35268 <222> LOCATION: (291)... (307)

35269 <223> OTHER INFORMATION: 5H1B_HUMAN

E- 35270 <400> SEQUENCE: 2690

35271 Lys Val Arg Val Ser Asp Ala Leu Leu Glu Lys Lys Lys Leu Met Ala

E--> 35272 1

35276 <210> SEQ ID NO: 2691

35277 <211> LENGTH: 16

35278 <212> TYPE: PRT

35279 <213> ORGANISM: Homo Sapiens

35281 <222> LOCATION: (304)... (320)

35282 <223> OTHER INFORMATION: 5H1B_HUMAN

E- 35283 <400> SEQUENCE: 2691

35284 Leu Met Ala Ala Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile

E--> 35285 1

35289 <210> SEQ ID NO: 2692

35290 <211> LENGTH: 16

35291 <212> TYPE: PRT

35292 <213> ORGANISM: Homo Sapiens

35294 <222> LOCATION: (305)... (321)

35295 <223> OTHER INFORMATION: 5H1B_HUMAN

E- 35296 <400> SEQUENCE: 2692

Same error

pls insert <220>

pls insert <220>

pls insert

insert

insert

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:33

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

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35297 Met Ala Ala Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu
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35304 <212> TYPE: PRT
35305 <213> ORGANISM: Homo Sapiens
35307 <222> LOCATION: ( 308 )...( 324 )
35308 <223> OTHER INFORMATION: 5H1B_HUMAN
E--> 35309 <400> SEQUENCE: 2693
35310 Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu Gly Ala Phe
E--> 35311 1          5          10          15
35315 <210> SEQ ID NO: 2694
35316 <211> LENGTH: 16
35317 <212> TYPE: PRT
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35320 <222> LOCATION: ( 310 )...( 326 )
35321 <223> OTHER INFORMATION: 5H1B_HUMAN
E--> 35322 <400> SEQUENCE: 2694
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E--> 35324 1          5          10          15
35328 <210> SEQ ID NO: 2695
35329 <211> LENGTH: 16
35330 <212> TYPE: PRT
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35333 <222> LOCATION: ( 291 )...( 307 )
35334 <223> OTHER INFORMATION: 5H1D_HUMAN
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35336 Ile Ser Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile
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35343 <212> TYPE: PRT
35344 <213> ORGANISM: Homo Sapiens
35346 <222> LOCATION: ( 292 )...( 308 )
35347 <223> OTHER INFORMATION: 5H1D_HUMAN
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35349 Ser Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu
E--> 35350 1          5          10          15
35354 <210> SEQ ID NO: 2697
35355 <211> LENGTH: 16
35356 <212> TYPE: PRT
35357 <213> ORGANISM: Homo Sapiens
35359 <222> LOCATION: ( 293 )...( 309 )
35360 <223> OTHER INFORMATION: 5H1D_HUMAN
E--> 35361 <400> SEQUENCE: 2697
35362 Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly
E--> 35363 1          5          10          15
35367 <210> SEQ ID NO: 2698
35368 <211> LENGTH: 16

```

*Same
errors*

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:33

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

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35369 <212> TYPE: PRT
35370 <213> ORGANISM: Homo Sapiens
35372 <222> LOCATION: ( 294 )...( 310 )
35373 <223> OTHER INFORMATION: 5H1D_HUMAN
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35375 Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly Ala
E--> 35376 1 5 10 15
35380 <210> SEQ ID NO: 2699
35381 <211> LENGTH: 16
35382 <212> TYPE: PRT
35383 <213> ORGANISM: Homo Sapiens
35385 <222> LOCATION: ( 295 )...( 311 )
35386 <223> OTHER INFORMATION: 5H1D_HUMAN
E--> 35387 <400> SEQUENCE: 2699
35388 Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly Ala Phe
E--> 35389 1 5 10 15
35393 <210> SEQ ID NO: 2700
35394 <211> LENGTH: 16
35395 <212> TYPE: PRT
35396 <213> ORGANISM: Homo Sapiens
35398 <222> LOCATION: ( 297 )...( 313 )
35399 <223> OTHER INFORMATION: 5H1D_HUMAN
E--> 35400 <400> SEQUENCE: 2700
35401 Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly Ala Phe Ile Me
E--> 35402 1 5 10 15
35406 <210> SEQ ID NO: 2701
35407 <211> LENGTH: 16
35408 <212> TYPE: PRT
35409 <213> ORGANISM: Homo Sapiens
35411 <222> LOCATION: ( 133 )...( 149 )
35412 <223> OTHER INFORMATION: 5H1E_HUMAN
E--> 35413 <400> SEQUENCE: 2701
35414 Lys Arg Thr Ala Lys Arg Ala Ala Leu Met Ile Leu Thr Val Trp Thr
E--> 35415 1 5 10 15
48536 <210> SEQ ID NO: 3711
48537 <211> LENGTH: 13
48538 <212> TYPE: PRT
48539 <213> ORGANISM: Homo Sapiens
48541 <222> LOCATION: ( 476 )...( 492 )
48542 <223> OTHER INFORMATION: HH1R_HUMAN
E--> 48543 <400> SEQUENCE: 3711
48544 Lys Lys Thr Phe Lys Arg Ile Leu His Ile Arg Ser
E--> 48545 1 5 10 15
440249 <210> SEQ ID NO: 31872
440250 <211> LENGTH: 8
440251 <212> TYPE: PRT
440252 <213> ORGANISM: Rattus norvegicus
W--> 440253 <220> FEATURE: Xaa
W--> 440254 <221> NAME/KEY: Nor- (N-met)Valine

```

same
errors

delete

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006

TIME: 09:10:57

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

440255 <222> LOCATION: (1)... (8)
 440256 <223> OTHER INFORMATION: >GOP7
 440258 <400> SEQUENCE: 31872
 W--> 440259 Ile Xaa Ile Ala Lys Leu Lys Ala
 E--> 440260 1 5
 440264 <210> SEQ ID NO: 31873
 440265 <211> LENGTH: 8
 440266 <212> TYPE: PRT
 440267 <213> ORGANISM: Rattus norvegicus
 W--> 440268 <220> FEATURE: ~~all-N-Me~~
 440269 <222> LOCATION: (1)... (8)
 440270 <223> OTHER INFORMATION: >GOP8
 440272 <400> SEQUENCE: 31873
 440273 Ile Ala Leu Leu Asn Met Glu Val Ile Ala
 E--> 440274 1 5 8 10
 440278 <210> SEQ ID NO: 31874
 440279 <211> LENGTH: 5
 440280 <212> TYPE: PRT
 440281 <213> ORGANISM: Artificial
 W--> 440282 <220> FEATURE: ~~Xaa~~
 W--> 440283 <221> NAME/KEY: Orn
 440284 <222> LOCATION: (1)... (5)
 440285 <223> OTHER INFORMATION: >GOP9
 440287 <400> SEQUENCE: 31874
 W--> 440288 Ile Val Xaa Lys Ala
 E--> 440289 1 5
 440335 <210> SEQ ID NO: 31878
 440336 <211> LENGTH: 8
 440337 <212> TYPE: PRT
 440338 <213> ORGANISM: Rattus norvegicus
 W--> 440340 <220> FEATURE: ~~Xaa~~
 W--> 440341 <221> NAME/KEY: N-methyl alanine
 440342 <222> LOCATION: (1)... (8)
 440343 <223> OTHER INFORMATION: >GOP13
 440345 <400> SEQUENCE: 31878
 W--> 440346 Ile Val Ile Xaa Lys Leu Lys Ala
 E--> 440347 1 5
 440351 <210> SEQ ID NO: 31879
 440352 <211> LENGTH: 8
 440353 <212> TYPE: PRT
 440354 <213> ORGANISM: Rattus norvegicus
 W--> 440356 <220> FEATURE: ~~Xaa~~
 W--> 440357 <221> NAME/KEY: N-methyl alanine
 440358 <222> LOCATION: (1)... (8)
 440359 <223> OTHER INFORMATION: >GOP14
 440361 <400> SEQUENCE: 31879
 W--> 440362 Ile Val Ile Ala Lys Leu Lys Xaa
 E--> 440363 1 5
 440367 <210> SEQ ID NO: 31880

10 delete
 15 delete
 10 delete
 15 delete
 PLS explain source of genetic material. See item #11 on error summary sheet!
 what is this?
 10 delete
 15 delete

10 delete
 15 delete

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:57

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

440368 <211> LENGTH: 8
 440369 <212> TYPE: PRT
 440370 <213> ORGANISM: Rattus norvegicus
 W--> 440372 <220> FEATURE: ~~Xaa~~ delete
 W--> 440373 <221> NAME/KEY: Aib
 440374 <222> LOCATION: (1)...(8)
 440375 <223> OTHER INFORMATION: >GOP15
 440377 <400> SEQUENCE: 31880
 W--> 440378 Ile Val Ile Xaa Lys Leu Lys Ala
 E--> 440379 1 5
 440411 <210> SEQ ID NO: 31883
 440412 <211> LENGTH: 8
 440413 <212> TYPE: PRT
 440414 <213> ORGANISM: Rattus norvegicus
 W--> 440416 <220> FEATURE: ~~Xaa, Xaa, Xaa~~ delete
 W--> 440417 <221> NAME/KEY: Nva, Nle, Citruline
 440418 <222> LOCATION: (1)...(8)
 440419 <223> OTHER INFORMATION: >GOP18
 440421 <400> SEQUENCE: 31883
 W--> 440422 Ile Xaa Ile Ala Lys Xaa Xaa Ala
 E--> 440423 1 5
 440427 <210> SEQ ID NO: 31884
 440428 <211> LENGTH: 8
 440429 <212> TYPE: PRT
 440430 <213> ORGANISM: Rattus norvegicus
 W--> 440432 <220> FEATURE: ~~Xaa~~ delete
 W--> 440433 <221> NAME/KEY: O-methyl Tyrosine
 440434 <222> LOCATION: (1)...(8)
 440435 <223> OTHER INFORMATION: >GOP25
 440437 <400> SEQUENCE: 31884
 W--> 440438 Ile Xaa Ile Ala Lys Leu Lys Ala
 E--> 440439 1 5
 440443 <210> SEQ ID NO: 31885
 440444 <211> LENGTH: 8
 440445 <212> TYPE: PRT
 440446 <213> ORGANISM: Rattus norvegicus
 W--> 440447 <220> FEATURE: ~~Xaa~~ delete
 W--> 440448 <221> NAME/KEY: Citruline
 440449 <222> LOCATION: (1)...(8)
 440450 <223> OTHER INFORMATION: >GOP26
 440452 <400> SEQUENCE: 31885
 W--> 440453 Ile Val Ile Ala Xaa Leu Lys Ala
 E--> 440454 1 5
 440570 <210> SEQ ID NO: 31894
 440571 <211> LENGTH: 7
 440572 <212> TYPE: PRT
 440573 <213> ORGANISM: artificial
 W--> 440575 <220> FEATURE: ~~Xaa, Xaa, peptide~~ delete
 W--> 440576 <221> NAME/KEY: Citruline, p-Fluoro phenyl alanine

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

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Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

440577 <222> LOCATION: (1)...(7)
440578 <223> OTHER INFORMATION: >M511 Analogue 5
440580 <400> SEQUENCE: 31894
W--> 440581 Xaa Xaa Phe Xaa Xaa Xaa Ile
E--> 440582 1 5 10 15
440586 <210> SEQ ID NO: 31895
440587 <211> LENGTH: 8
440588 <212> TYPE: PRT
440589 <213> ORGANISM: artificial
W--> 440591 <220> FEATURE: Xaa, Xaa, peptide
W--> 440592 <221> NAME/KEY: Citruline, p-Fluoro phenyl alanine
440593 <222> LOCATION: (1)...(8)
440594 <223> OTHER INFORMATION: >M511 Analogue 6
440596 <400> SEQUENCE: 31895
W--> 440597 Xaa Xaa Xaa Ile Xaa Ile Ile Xaa
E--> 440598 1 5 10 15
440602 <210> SEQ ID NO: 31896
440603 <211> LENGTH: 8
440604 <212> TYPE: PRT
440605 <213> ORGANISM: artificial
W--> 440607 <220> FEATURE: Xaa, Xaa, peptide
W--> 440608 <221> NAME/KEY: Citruline, p-Fluoro phenyl alanine
440609 <222> LOCATION: (1)...(8)
440610 <223> OTHER INFORMATION: >M511 Analogue 7
440612 <400> SEQUENCE: 31896
W--> 440613 Phe Xaa Xaa Xaa Ile Xaa Ile Ile
E--> 440614 1 5 10 15
440618 <210> SEQ ID NO: 31897
440619 <211> LENGTH: 8
440620 <212> TYPE: PRT
440621 <213> ORGANISM: artificial
W--> 440623 <220> FEATURE: Xaa, Xaa, peptide
W--> 440624 <221> NAME/KEY: Citruline, p-Fluoro phenyl alanine
440625 <222> LOCATION: (1)...(8)
440626 <223> OTHER INFORMATION: >M511 Analogue 8
440628 <400> SEQUENCE: 31897
W--> 440629 Xaa Xaa Phe Xaa Xaa Xaa Ile Xaa
E--> 440630 1 5 10 15
440653 <210> SEQ ID NO: 31900
440654 <211> LENGTH: 28
440655 <212> TYPE: PRT
440656 <213> ORGANISM: Mus musculus
440658 <222> LOCATION: (1)...(28)
440659 <223> OTHER INFORMATION: >mouse PrpC (1-28)
E--> 440661 <400> SEQUENCE: 31900
440662
Met Ala Asn Leu Gly Tyr Trp Leu Leu Ala Leu Phe Val Thr Met Trp Thr Asp Val Gly Leu
E--> 440663 Cys Lys Lys Arg Pro Lys Pro
E--> 440664 1 5 10 15
440668 <210> SEQ ID NO: 31901

Invalid Response

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- See item #11 on delete error summary

Invalid Response sheet

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Same errors (as the above)

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:57

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

440669 <211> LENGTH: 28
 440670 <212> TYPE: PRT
 440671 <213> ORGANISM: Homo sapiens
 440673 <222> LOCATION: (1)...(28)
 440674 <223> OTHER INFORMATION: >human PrpC(1-28)
 440676 <400> SEQUENCE: 31901
 440677
 Met Ala Asn Leu Gly Cys Trp Met Leu Val Leu Phe Val Ala Thr Trp Ser Asp Leu Gly Leu
 E--> 440678 Cys Lys Lys Arg Pro Lys Pro
 E--> 440679 1 5 10 15
 440683 <210> SEQ ID NO: 31902
 440684 <211> LENGTH: 30
 440685 <212> TYPE: PRT
 440686 <213> ORGANISM: Bos taurus
 440688 <222> LOCATION: (1)...(30)
 440689 <223> OTHER INFORMATION: >bovine PrpC (1-30)
 440691 <400> SEQUENCE: 31902
 440692
 Met Val Lys Ser Lys Ile Gly Ser Trp Ile Leu Val Leu Phe Val Ala Met Trp Ser Asp Val Gly
 E--> 440693 Leu Cys Lys Lys Arg Pro Lys Pro
 E--> 440694 1 5 10 15
 440754 <210> SEQ ID NO: 31907
 440755 <211> LENGTH: 25
 440756 <212> TYPE: PRT
 440757 <213> ORGANISM: Homo sapiens
 440759 <222> LOCATION: (1)...(25)
 440760 <223> OTHER INFORMATION: >PS-2 (86-110)
 440762 <400> SEQUENCE: 31907
 440763
 Lys Val His Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Ile Val Val Val Ala Thr Ile Lys
 E--> 440764 Ser Val Arg
 E--> 440765 1 5 10 15
 440828 <210> SEQ ID NO: 31912
 440829 <211> LENGTH: 23
 440830 <212> TYPE: PRT
 440831 <213> ORGANISM: artificial
 W--> 440833 <220> FEATURE: peptide
 440834 <222> LOCATION: (1)...(23)
 440835 <223> OTHER INFORMATION: >YTA-2ps
 440837 <400> SEQUENCE: 31912
 440838
 Ser Gly Glu Ser Leu Ala Tyr Tyr Thr Ala Ile Ala Trp Val Lys Ala Phe Ile Arg Lys Leu Arg
 E--> 440839 Lys
 E--> 440840 1 5 10 15

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/28/2006
PATENT APPLICATION: US/10/517,079B TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:31859; Line(s) 440086
Seq#:31861; Line(s) 440114
Seq#:31900; Line(s) 440662
Seq#:31901; Line(s) 440677
Seq#:31902; Line(s) 440692
Seq#:31907; Line(s) 440763
Seq#:31909; Line(s) 440793
Seq#:31912; Line(s) 440838

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:31871,31874,31889,31894,31895,31896,31897,31899,31909,31910,31911,31912
Seq#:31913,31914,31915,31916,31917,31918,31919,31920,31921,31922,31923,31924
Seq#:31925,31926,31927,31928,31929,31930,31931,31932,31933

VERIFICATION SUMMARY

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2253 M:283 W: Missing Blank Line separator, <400> field identifier
L:2254 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (150) SEQUENCE:
L:2264 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:151
L:2264 M:283 W: Missing Blank Line separator, <400> field identifier
L:2277 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:152
L:2277 M:283 W: Missing Blank Line separator, <400> field identifier
L:2290 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:153
L:2290 M:283 W: Missing Blank Line separator, <400> field identifier
L:2303 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:154
L:2303 M:283 W: Missing Blank Line separator, <400> field identifier
L:2316 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:155
L:2316 M:283 W: Missing Blank Line separator, <400> field identifier
L:2329 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:156
L:2329 M:283 W: Missing Blank Line separator, <400> field identifier
L:2342 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:157
L:2342 M:283 W: Missing Blank Line separator, <400> field identifier
L:2355 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:158
L:2355 M:283 W: Missing Blank Line separator, <400> field identifier
L:2368 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:159
L:2368 M:283 W: Missing Blank Line separator, <400> field identifier
L:2381 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:160
L:2381 M:283 W: Missing Blank Line separator, <400> field identifier
L:2394 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:161
L:2394 M:283 W: Missing Blank Line separator, <400> field identifier
L:2407 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:162
L:2407 M:283 W: Missing Blank Line separator, <400> field identifier
L:2420 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:163
L:2420 M:283 W: Missing Blank Line separator, <400> field identifier
L:2433 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:164
L:2433 M:283 W: Missing Blank Line separator, <400> field identifier
L:2446 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:165
L:2446 M:283 W: Missing Blank Line separator, <400> field identifier
L:2459 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:166
L:2459 M:283 W: Missing Blank Line separator, <400> field identifier
L:2472 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:167
L:2472 M:283 W: Missing Blank Line separator, <400> field identifier
L:2485 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:168
L:2485 M:283 W: Missing Blank Line separator, <400> field identifier
L:2498 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:169
L:2498 M:283 W: Missing Blank Line separator, <400> field identifier
L:2511 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:170
L:2511 M:283 W: Missing Blank Line separator, <400> field identifier
L:2524 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:171
L:2524 M:283 W: Missing Blank Line separator, <400> field identifier
L:2537 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:172
L:2537 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

L:2550 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:173
L:2550 M:283 W: Missing Blank Line separator, <400> field identifier
L:2563 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:174
L:2563 M:283 W: Missing Blank Line separator, <400> field identifier
L:2576 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:175
L:2576 M:283 W: Missing Blank Line separator, <400> field identifier
L:2589 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:176
L:2589 M:283 W: Missing Blank Line separator, <400> field identifier
L:2602 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:177
L:2602 M:283 W: Missing Blank Line separator, <400> field identifier
L:2615 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:178
L:2615 M:283 W: Missing Blank Line separator, <400> field identifier
L:2628 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:179
L:2628 M:283 W: Missing Blank Line separator, <400> field identifier
L:2641 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:180
L:2641 M:283 W: Missing Blank Line separator, <400> field identifier
L:2654 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:181
L:2654 M:283 W: Missing Blank Line separator, <400> field identifier
L:2667 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:182
L:2667 M:283 W: Missing Blank Line separator, <400> field identifier
L:2680 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:183
L:2680 M:283 W: Missing Blank Line separator, <400> field identifier
L:2693 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:184
L:2693 M:283 W: Missing Blank Line separator, <400> field identifier
L:2706 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:185
L:2706 M:283 W: Missing Blank Line separator, <400> field identifier
L:2719 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:186
L:2719 M:283 W: Missing Blank Line separator, <400> field identifier
L:2732 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:187
L:2732 M:283 W: Missing Blank Line separator, <400> field identifier
L:2745 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:188
L:2745 M:283 W: Missing Blank Line separator, <400> field identifier
L:2758 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:189
L:2758 M:283 W: Missing Blank Line separator, <400> field identifier
L:2771 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:190
L:2771 M:283 W: Missing Blank Line separator, <400> field identifier
L:2784 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:191
L:2784 M:283 W: Missing Blank Line separator, <400> field identifier
L:2797 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:192
L:2797 M:283 W: Missing Blank Line separator, <400> field identifier
L:2810 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:193
L:2810 M:283 W: Missing Blank Line separator, <400> field identifier
L:2823 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:194
L:2823 M:283 W: Missing Blank Line separator, <400> field identifier
L:2836 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:195
L:2836 M:283 W: Missing Blank Line separator, <400> field identifier
L:2849 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:196
L:2849 M:283 W: Missing Blank Line separator, <400> field identifier
L:2862 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:197

VERIFICATION SUMMARY

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

L:2862 M:283 W: Missing Blank Line separator, <400> field identifier
L:2875 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:198
L:2875 M:283 W: Missing Blank Line separator, <400> field identifier
L:2888 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:199
L:2888 M:283 W: Missing Blank Line separator, <400> field identifier
L:2901 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:200
L:14460 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1089
L:14473 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1090
L:14486 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1091
L:35207 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2685
L:35220 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2686
L:35233 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2687
L:35246 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2688
L:35259 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2689
L:35272 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2690
L:35285 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2691
L:35298 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2692
L:35311 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2693
L:35324 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2694
L:35337 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2695
L:35350 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2696
L:35363 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2697
L:35376 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2698
L:35389 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2699
L:35402 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2700
L:35415 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2701
L:35428 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2702
L:35441 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2703
L:35454 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2704
L:35467 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2705
L:35480 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2706
L:35493 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2707
L:35506 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2708
L:35519 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2709
L:35532 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2710
L:35545 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2711
L:35558 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2712
L:35571 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2713
L:35584 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2714
L:35597 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2715
L:35610 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2716
L:35623 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2717
L:35636 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2718
L:35649 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2719
L:35662 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2720
L:35675 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2721
L:35688 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2722
L:35701 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2723
L:35714 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2724

VERIFICATION SUMMARY

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\08282006\J517079B.raw

L:35727 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2725
L:35740 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2726
L:35753 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2727
L:35766 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2728
L:35779 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2729
L:35792 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2730
L:35805 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2731
L:48545 M:252 E: No. of Seq. differs, <211> LENGTH:Input:13 Found:12 SEQ:3711
L:439822 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (31840) SEQUENCE:
L:440162 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (31865) SEQUENCE:
L:440239 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440253 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440254 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31872
L:440259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31872 after pos.:0
L:440268 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440274 M:252 E: No. of Seq. differs, <211> LENGTH:Input:8 Found:10 SEQ:31873
L:440282 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440283 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31874
L:440288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31874 after pos.:0
L:440340 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440341 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31878
L:440346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31878 after pos.:0
L:440356 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440357 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31879
L:440362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31879 after pos.:0
L:440372 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440373 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31880
L:440378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31880 after pos.:0
L:440416 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440417 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31883
L:440422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31883 after pos.:0
L:440432 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440433 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31884
L:440438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31884 after pos.:0
L:440447 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440448 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31885
L:440453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31885 after pos.:0
L:440504 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440575 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440576 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31894
L:440581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31894 after pos.:0
L:440591 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440592 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31895
L:440597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31895 after pos.:0
L:440607 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440608 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31896
L:440613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31896 after pos.:0
L:440623 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440624 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31897

VERIFICATION SUMMARY

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:59

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

L:440629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31897 after pos.:0
L:440635 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (31898) SEQUENCE:
L:440643 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440788 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440803 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440818 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440833 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440849 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440864 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440879 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440894 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440909 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440924 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440939 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440954 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440969 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440984 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:440999 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441014 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441029 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441044 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441059 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441074 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441089 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441104 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441119 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441134 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:441149 M:256 W: Invalid Numeric Header Field, <220> has non-blank data